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(54) **Analyte detection device and process**

(57) The present invention provides a device and a process for detecting an analyte in a biological fluid. The device comprises a separating matrix for separating analyte from the fluid and means for detecting the analyte, where the separating matrix contains HEPES buffer, preferably in an amount between 70 and 150 millimolar. The process comprises applying the sample to the device having a separating matrix and then detecting analyte in the sample using the detection means. The presence of HEPES in the separation layer shortened the detection time.

EP 0 638 805 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 94 11 1552

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP-A-0 239 926 (MILES LABORATORIES, INC.) 7 October 1987 * column 11; example 2 *	1-3,6,8,10	G01N33/52 C12Q1/48 C12Q1/32 C12Q1/54
Y	---	4,5,7,9	
Y	EP-A-0 511 120 (TERUMO KABUSHIKI KAISHA) 28 October 1992 * page 3, line 30 - line 50 * * page 4, line 15 - line 19 * * page 5, line 5; figure 1 *	4,5,7,9	
A	--- DATABASE WPI Section Ch, Week 9006 Derwent Publications Ltd., London, GB; Class B04, AN 90-041349 XP002002338 & JP-A-01 318 958 (KONICA CORP) , 25 December 1989 * abstract *	1,8	
A	--- DATABASE WPI Section Ch, Week 9315 Derwent Publications Ltd., London, GB; Class B04, AN 93-120389 XP002002339 & JP-A-05 056 798 (ASAHI CHEM IND CO LTD) , 9 March 1993 * abstract *	1,8	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G01N
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 7 May 1996	Examiner Ceder, O
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</p>			

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